

CLAIMS

1. A method for improving performances of a mobile radiocommunication system using a power control algorithm for controlling a transmit power according to a transmission quality target value, said method comprising, upon the occurrence of a significant change in the required transmit power, bypassing said power control algorithm by changing the transmit power according to a corresponding change in the required transmission quality target value.
2. A method according to claim 1, wherein said significant change in the required transmit power includes a change in the transmission rate.
3. A method according to claim 1, wherein said corresponding change in the required transmission quality target value has a predetermined value.
4. A method according to claim 3, wherein said predetermined value is regularly updated.
5. A method according to claim 1, wherein said transmission quality is represented by a signal-to-interference ratio.
6. A method according to claim 1, wherein said mobile radiocommunication system is of CDMA type.
7. A method according to claim 1, wherein said power control is performed in the uplink transmission direction of said mobile radiocommunication system.
8. A method according to claim 1, wherein said power control is performed in the downlink transmission direction of said mobile radiocommunication system.
9. A mobile station comprising, for performing a method according to claim 7:
 - means for bypassing said power control algorithm, by changing the transmit power according to a corresponding change in the required transmission quality target value, upon the occurrence of a significant change in the required transmit power.
10. A mobile station according to claim 9, wherein said means include a look-up table, containing predetermined values of corresponding changes in the required transmission quality target value, corresponding to different significant changes in the required transmit power.
11. A mobile radiocommunication network entity comprising, for performing a method according to claim 7:

- means for correspondingly changing the required transmission quality target value, upon the occurrence of a significant change in the required transmit power.

12. A mobile radiocommunication network entity according to claim 11,
 5 wherein said means include a look-up table, containing predetermined values of corresponding changes in the required transmission quality target value, corresponding to different significant changes in the required transmit power.

13. A mobile radiocommunication network entity comprising, for performing a method according to claim 8:

- 10 - means for bypassing said power control algorithm, by changing the transmit power according to a corresponding change in the required transmission quality target value, upon the occurrence of a significant change in the required transmit power.

14. A mobile radiocommunication network entity according to claim 13,
 15 wherein said means include a look-up table, containing predetermined values of corresponding changes in the required transmission quality target value, corresponding to different significant changes in the required transmit power.

15. A mobile station comprising, for performing a method according to claim 8:

- 20 - means for correspondingly changing the required transmission quality target value, upon the occurrence of a significant change in the required transmit power.

16. A mobile station according to claim 15, wherein said means include a look-up table, containing predetermined values of corresponding changes in the required transmission quality target value, corresponding to different significant changes in the required transmit power.